

Practitioner's Docket No. MPI96-031CP1DV1CPACN2M

U.S.S.N. 10/810,793

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-6. (Canceled)

7. (Previously Presented) An antibody or antigen-binding fragment thereof which binds to a kinase or subunit thereof, wherein said kinase phosphorylates I κ B α (SEQ ID NO:9) at serine residues 32 and 36, the kinase being a complex of approximately 700 kDa molecular weight as determined by gel filtration chromatography or size exclusion chromatography.
8. (Previously Presented) An antibody or antigen-binding fragment thereof which binds to a subunit of the kinase according to claim 7.
9. (Previously Presented) The antibody or antigen-binding fragment thereof of claim 8 wherein said subunit is selected from the group consisting of p31, p33, p36, p38, p40, p43, p50, p55, p62, p70 and p85.
10. (Previously Presented) The antibody or antigen-binding fragment thereof of claim 7, wherein said antibody or antigen-binding fragment thereof is an antigen-binding fragment is selected from the group consisting of an F(ab')₂ fragment, an Fab' fragment, an Fab fragment and an Fv fragment.
11. (Previously Presented) The antibody or antigen-binding fragment thereof of claim 7, wherein said antibody or antigen-binding fragment thereof is selected from the group consisting of a polyclonal antibody, a monoclonal antibody, a single chain antibody, and a humanized antibody.
12. (Previously Presented) A hybridoma which produces the monoclonal antibody or antigen-binding fragment thereof according to claim 11.
13. (Previously Presented) The antibody or antigen-binding fragment thereof of claim 7, wherein said antibody or antigen-binding fragment thereof is detectably labeled.

(Page 3 of 5)

Practitioner's Docket No. MPI96-031CP1DV1CPACN2M

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14. (Previously Presented) The antibody or antigen-binding fragment thereof of claim 13, wherein said detectable label is selected from the group consisting of a radioisotope, an affinity label, an enzymatic label, a fluorescent label and a paramagnetic atom.
15. (Previously Presented) The antibody or antigen-binding fragment thereof of claim 7, wherein said antibody or antigen-binding fragment thereof is immobilized on a solid support.
16. (Previously Presented) A method of detecting a kinase in a sample, comprising:
 - (a) contacting the sample with said antibody or antigen-binding fragment thereof according to claim 7, under conditions such that an immunocomplex forms, and
 - (b) detecting the presence of said antibody bound to said kinase.
17. (Previously Presented) A method of detecting a kinase or subunit thereof in a sample, comprising:
 - (a) contacting the sample with said antibody or antigen-binding fragment thereof according to claim 8, under conditions such that an immunocomplex forms, and
 - (b) detecting the presence of said antibody bound to said kinase subunit.
18. (Previously Presented) A diagnostic kit comprising:
 - (a) a first container means containing the antibody or antigen-binding fragment thereof according to claim 7, and
 - (b) a second container means containing a conjugate comprising a binding partner of said antibody or antigen-binding fragment thereof and a label.
19. (Previously Presented) The diagnostic kit of claim 18, further comprising at least one container selected from the group consisting of a container comprising a wash reagent and a container comprising a detection reagent.
20. – 26. (Canceled)